

## Fees, booking and registration form

Thursday 7<sup>th</sup> to Saturday 9<sup>th</sup> February 2019. The cost is £500 per person. A special offer of £1200 is available to cover a team of 3 participants from the same centre, in which case each team member should complete a registration form and the 3 forms should be sent together. (Please photocopy this form if necessary).

Name

Organisation

Specialty: Physicist / Oncologist / Radiographer / Other

Which linac would you use for IGRT and IMRT/VMAT?

Elekta / Siemens / Varian (please circle)

Oncologists, which clinical site is your specialty?

Which device(s) do you use for IGRT (please specify)

Cone beam / KV-KV/ Exactrac / Tomo CK / MR/Other

Which TPS do you use for IMRT / VMAT (please specify)

Do you use VMAT/ Soft Tissue Matching/ Fiducials/ Gating / Breath Hold/ 4D CBCT  
OTHER (please specify)

Which clinical sites?

Address

Postcode (UK)

Telephone/Fax

Email

I would like to attend the IGRT Course. I enclose a cheque for the full amount of £..... payable to: **"The Institute of Cancer Research"**  
Or please invoice (please give the exact contact information to secure your booking)

**Venues:** The lectures for days 1 & 2 are in The Royal Marsden Conference Centre, Stewart's Grove, London SW3 6JJ. The physics, radiographer and oncologist practical sessions on Saturday will be carried out in the Radiotherapy department of The Royal Marsden Hospital until 1.15pm.

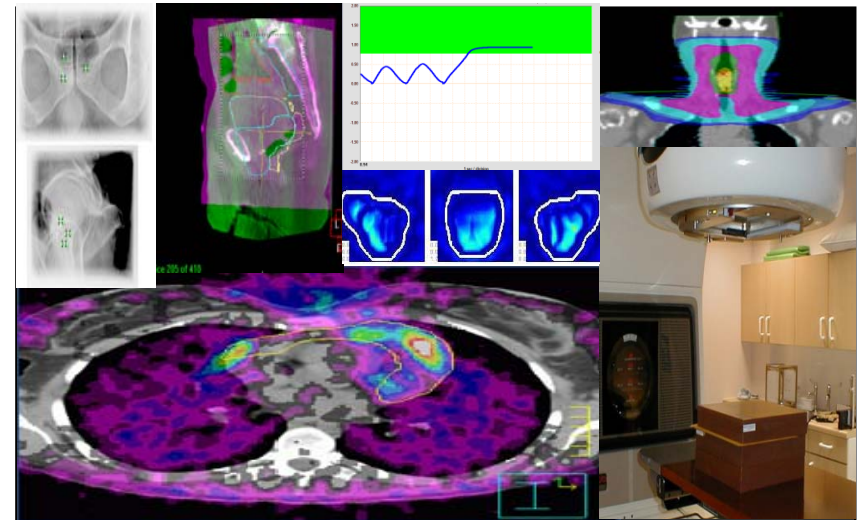
Please fax/email/post completed form, and forward your payment invoice info to: The Course Secretary, Physics Department, The Royal Marsden NHS Foundation Trust, Fulham Road, London SW3 6JJ

Tel.+44 (0)207 808 2501; Fax+44(0)2078082522

Email: [sandra.poku@rmh.nhs.uk](mailto:sandra.poku@rmh.nhs.uk)

[www.icr.ac.uk/igimrt](http://www.icr.ac.uk/igimrt)

## SABR TOPICS ADDED



## Image Guided Radiotherapy In Clinical Practice

Thursday 7<sup>th</sup> to Saturday 9<sup>th</sup> February 2019

Departments of Physics and Radiotherapy  
The Royal Marsden NHS Foundation Trust and  
The Institute of Cancer Research

Includes:

Adaptive RT  
Target Monitoring Techniques  
4D/ CBCT  
IMRT / VMAT  
Radiation Free Patient Verification

**This course has been accredited 19 Category I Credits under The  
Royal College of Radiologists CPD scheme**

## Introduction

This 3 day course is designed to help clinicians, physicists and radiographers develop and maintain for the clinical implementation of image guided radiotherapy. The course has been awarded 19 RCR Category I CPD credits under **The Royal College of Radiologists** CPD scheme. In 2017 it received 20 CPD credit-points from **(EFOMP) The European Federation of Organisations for Medical Physics**

The curriculum covers many practical aspects and includes hands-on practical sessions, image matching, QA and dosimetry.

We recommend a team of oncologist, physicist and radiographer from the same centre attend together.

Included in the cost of the course are a set of lecture notes, a CD of the presentations, lunches, refreshments, cheese and wine, and a course dinner (sponsored by the manufacturers) on the evening of Thursday 7<sup>th</sup> February.

## Provisional Programme

### Day One (Thursday 7<sup>th</sup> February)

- *Future Developments in Advanced Radiotherapy including MR Linac*
- *MRI in Radiotherapy*
- *PET and PET\_CT in Radiotherapy*
- *Ultrasound in RT*
- *Image Quality in CT, 4DCT & CBCT*
- *KV + KV Imaging Clinical Examples, Several Delivery Platforms*
- *IGRT and Adaptive RT using CBCT*
- *IMRT /VMAT Effect of Motion /Margins on Dosimetry*
- *EPID dosimetry and Treatment Verification*
- *Adaptive Bladder Techniques, Treatment Planning, Dose & Imaging*
- *SABR for Liver, Oesophageal Challenges*
- **Course Meal**

### Day Two (Friday 8<sup>th</sup> February)

- *Head and Neck: IMRT Clinical Trials & Functional Imaging*
- *FFF and Small Field Dosimetry and QA wrt SABR*
- *Breast Clinical Trials, CBCT, Nodal Treatment & Verification*
- **Imaging & Margins in Head and Neck (This Is Not An Apple)**
- *Selection & Delineation of Head and Neck Target Volumes*
- *Prostate Clinical Trials*
- *Image Verification for Prostate Patients*
- *SABR for Lung and Dose Prescriptions*
- *Image Verification for Lung Tumours (with and without fiducials)*

- *Highly Conformal Radiotherapy and IGRT for Gynaecological Targets*
- *IGRT Processes for Gynae Treatment Delivery*
- *Discussion*
- **Cheese & Wine Evening**

### Day Three (Saturday 9<sup>th</sup> February)

#### Practical Demonstration & Discussion

- *Guidance on developing protocols for outlining, dose Constraints, IMRT/VMAT planning and image verification for Head & Neck, Lung, Liver, Prostate, Bladder, Breast and Gynae by experienced users (oncologists, physicists) will be available*
- *Practical sessions on QA and Imaging, covering Pre-Treatment and Patient Treatment Procedures - from the TPS to the Linac and Patient: including Patient to Phantom Dosimetry; Fluence Verification; Dosimetric Verification; Patient Setup and Verification using Cone Beam, KV; Linac, MLC and ExacTrac Device QA, Image Matching, Plan Choice, 4DCT, Data Analysis*

### External speakers

Mrs Angela Baker, Mount Vernon Cancer Centre,  
Dr Kevin Franks, St James's Institute of Oncology, Leeds Teaching Hospital Trust  
Professor Maria Hawkins, Oxford University

#### Special Guest Speaker

**Professor Vincent Gregoire**  
St-Luc University Hospital, Brussels,  
Belgium  
Honorary Physicist ( ESTRO 2015)

### RMH/ICR course faculty

Ms Sophie Alexander, Ms Margaret Bidmead, Dr Elly Castellano  
Professor David Dearnaley, Dr Vibeke Nordmark Hansen, Dr Ian Hanson,  
Dr Emma Harris, Dr Anna Kirby, Mr Richard Keane, Dr Maria Schmidt,  
Dr Susan Lalondrelle, Dr Helen McNair, Dr Iain Murray, Professor Chris Nutting, Professor Uwe Oelfke, Dr Michael Thomas,

### Course organizers

Ms Margaret Bidmead, Dr Vibeke Hansen, Dr Helen McNair